

WHAT IS CLAIMED IS:

1. An electrode sheet for an electric double-layer capacitor, the electrode sheet is molded from granules which are produced from ingredients
5 comprising:

an electrochemically active material;

an electrically conductive filler; and

a binder,

wherein a contact angle is equal to or less than 100 degrees when the
10 contact angle is defined as $(180 - \text{ALPHA})$ degrees, where ALPHA represents an apex angle of a droplet of an electrolytic solution for the electric double-layer capacitor, and when the droplet lies on the electrode sheet.

2. A method for manufacturing an electrode sheet for an electric
15 double-layer capacitor, the electrode sheet is molded from granules which are produced from ingredients including an electrochemically active material, an electrically conductive filler and a binder, the method comprising the steps of:

(a) kneading the ingredients so that the binder is subjected to fibrillation, and molding a lump out of the ingredients after the fibrillation;

20 (b) crushing the lump into granules for the electrode sheet of the electric double-layer capacitor; and

(c) forming the granules into the electrode sheet,

wherein one of a period of time and strength of kneading at the step (a) is adjusted so that a contact angle can be equal to or less than 100 degrees
25 when the contact angle is defined as $(180 - \text{ALPHA})$ degrees, where ALPHA represents an apex angle of a droplet of an electrolytic solution for the electric

double-layer capacitor, and when the droplet lies on the electrode sheet.

3. A polarizable electrode for an electric double-layer capacitor comprising:
an electrode sheet molded from granules which are produced from
5 ingredients including an electrochemically active material, an electrically
conductive filler and a binder; and

a collector foil which is bonded with the electrode sheet directly or via a
layer of an adhesive so as to form the polarizable electrode,

wherein a contact angle is equal to or less than 100 degrees when the
10 contact angle is defined as $(180 - \text{ALPHA})$ degrees, where ALPHA represents
an apex angle of a droplet of an electrolytic solution for the electric
double-layer capacitor, and when the droplet lies on the electrode sheet.

4. An electric double-layer capacitor comprising the polarizable electrode
15 according to claim 3.